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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/929,211	08/14/2001	Lan V. Nguyen	SC11824TS	2144
23125	7590	08/09/2005	EXAMINER	
FREESCALE SEMICONDUCTOR, INC. LAW DEPARTMENT 7700 WEST PARMER LANE MD:TX32/PL02 AUSTIN, TX 78729			BLOUNT, STEVEN	
			ART UNIT	PAPER NUMBER
			2661	

DATE MAILED: 08/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/929,211

Applicant(s)

NGUYEN ET AL.

Examiner

Steven Blount

Art Unit

2661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 14 August 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 - 17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1 – 3, 5, 7 - 13 and 15 - 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. patent number 6,847,620 to Meier.

With regard to claim 1, Meier teaches joining a multicast group (col 5, l 33) in, for example, an IP network (col 2, line 42). Meier also teaches detecting a leave message (col 5 line 41) wherein, in response to the leave message (ie, after the stations have been deleted from the group) the stations must rejoin the group (col 5 line 43). Although it is not explicitly stated in col 5 line 43 that a “join message” is sent, such a message type is mentioned in, as noted above, col 5 lines 33+, such that it would have been obvious to one of ordinary skill in the art at the time of the invention to have used such a “join message” when joining the multicast group.

With regard to claims 2 - 3, see members “STA” in figure 1.

With regard to claim 5, see the mention of 802.11 in col 2 line 13.

With regard to claim 7, the examiner notes that audio and video are typical types of data which would be carried over a network such as this.

With regard to claim 8, the stations monitor for the leave messages.

With regard to claim 9, see the rejection of claim 1 above, where all of the claim elements are met, including the GARP applicant (col 5 line 34).

With regard to claims 10, 11, and 12, see the rejection of claims 4, 8, and 2 respectively.

With regard to claim 13, see the rejection of claim 1 above, and note the stations in col 5 lines 43+ for which it would be obvious to make use of software in the form of a "manager" to detecting leave messages and sending join messages.

With regard to claims 15 - 16, see the rejection of claim 1 above.

3. Claims 4, 6, 14, and 17 are rejected under 35 U.S.C. 103(a) as being obvious over U.S. patent number 6,847,620 to Meier as applied to claims 2 - 3, 5, 7 - 13 and 15 above, and further in view of the applicants admitted prior art (hereinafter AAPA).

With regard to claim 4, Meier teaches the invention as described above with respect to claim 1, but does not teach the use of the IGMP protocol to implement the leave and join messaging.

AAPA teaches the use of IGMP being used in this manner on page 2, lines 9+.

It would have been obvious to one of ordinary skill in the art at the time of the invention to have used the IGMP protocol to implement the joining and leaving of the multicast group of Meier, in light of the teachings of AAPA, in order to provide a standard means for effectively maintaining membership in this group.

With regard to claim 6, fast-leave is discussed in page 2, line 24.

With regard to claims 14 and 17, see the rejection of claims 4 and 6 above.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Blount whose telephone number is 571 - 272 - 3071. The examiner can normally be reached on M-F 9:00 - 5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Chau Nguyen, can be reached on 571 - 272 - 3126. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Ajit Patel
Primary Examiner

SB


8/1/05